5 2004 Under the Par	perwork Reduction Act of 1995		U.S. Patent and T and to a collection of inf	Approved for use through 07/31/2006. OMB 0651-06 rademark Office; U.S. DEPARTMENT OF COMMER formation unless it displays a valid OMB control number.		
RADE SEE TR	ANSMITTAL FORM  all correspondence after initial  Pages in This Submission	Application Numb Filing Date First Named Inve	ntor	09/890752 11/30/2001 Hildt 1648 Hill, M. VOS-013 (107070-120)		
		ENCLOSURES (	Check all that apply	After Allowance Communication to T		
Amendme  Af  Af  (3-mc) Extension  Express A  Information  Certified C Documen  Reply to M Incomplet Reply to M Incomplet	fter Final  ffidavits/declaration(s)  onth)  of Time Request  Abandonment Request  on Disclosure Statement  Copy of Priority	Drawing(s)  Licensing-related Pa  Petition Petition to Convert to Provisional Applicate Power of Attorney, Found Change of Correspondent Power for Refund Request for Refund CD, Number of CD(standard CD) Landscape Tal Remarks	o a ion Revocation ondence Address	Appeal Communication to Board of Appeals and Interferences  Appeal Communication to TC (Appeal Notice, Energy Reply Brief)  Proprietary Information  Status Letter Other Enclosure(s) (please Identify below):  - Postcard		
Firm Name	SIGNA	TURE OF APPLICANT	, ATTORNEY, C	OR AGENT		
i iiiii ivallie	Wilmer Cutler Picke	ring Hale and Dorr LLP				
Signature	ahera	eike Cela				
Printed name	Anr	n-Louise Kerner, Ph.D.				
Date 11		/05/2004	Reg. No.	33,523		

## I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below. Signature Typed or printed name

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Express Mail Label No: EV207559951US

da

1205

2205

SUBTOTAL (2)

\*\*or number previously paid, if greater, For Reissues, see above

\* Reissue claims in excess of 20 and over original patent

Date of Mailing: 11/05/2004

PTO/SB/17 (10-04) Approved for use through 07/31/2006. OMB 0651-0032 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Account Number Deposit	PERE TRANSMITTA	Complete if Known						
First Named Inventor	F	Applicati	on Number		09/890752			
Appligent claims small entity status. See 37 CFR 1.27   Art Unit	of any of the second	· _ ] 内容(2)	<sup>2</sup> 唐名僧 <del>アイススト aproximation (max.</del>		11/30/2001	20 - 10 <b>24</b> 234		
Appligent claims small entity status. See 37 CFR 1.27   Art Unit 1648   Art		First Nan	ned Inventor	Hildt				
Attomey Docket No   VOS-013 (107070-120)			r Name		Hill, M.			
METHOD OF PAYMENT (check all that apply)  □ Check □ Credit card □ Money □ Other □ None Order: □ Other □		Art Unit		- 19 m	1648	94		
Check Credit card Money Order None Order.  Deposit Account  Deposit O8-0219  Willmer Cutler Pickering Hale and Darr II P  Deposit Account Name  The Director is authorized to: (check all that apph)  Charge equivariance of the Charge are additional feets)  Charge equivariance of the Charge are additional feets or any undepayment of feets  Charge equivariance of the Charge are additional feets or any undepayment of feets  Charge entity Small Entity  FEE CALCULATION  BASIC FILING FEE  arge Entity Small Entity  Fee Fee Fee Fee Fee Fee Fee Fee Fee Fe		O Attorney	Docket No.	VOS-	013 (107070-12	20)		
Deposit Account:   Deposit	METHOD OF PAYMENT (check all that apply)	Telling .	FEE CA	LCULATION (	continued)	- ,,,		
Deposit Account Number Deposit Account Number Deposit Account Name Deposit Account Name Deposit Account Name Deposit Account Name Name Name Deposit Account Name Name Name Name Name Deposit Account Name Name Name Name Name Name Name Name	Check Credit card Money Other None	- 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	10 TM 10 10 10 10 10			2) = 1		
Deposit Account Number Deposit Wilmer Cutler Pickering Hale and Deposit Account Number Deposit Wilmer Number Deposit N	· · · · · · · · · · · · · · · · · · ·	** (a); //	1.10 1.10					
Number Deposit Account Name Dorr LLP  The Director is authorized to: (check all that apply)  Charge fee(s) indicated below Deposit Account Name  The Director is authorized to: (check all that apply)  Charge fee(s) indicated below Deposit Account Name  Charge fee(s) indicated below Deposit Account Name  Charge fee(s) indicated below, except for the filling fee  The Director is authorized to: (check all that apply)  Charge fee(s) indicated below, except for the filling fee  The Director is authorized to: (check all that apply)  Charge fee(s) indicated below, except for the filling fee  The Director is authorized to: (check all that apply)  Charge fee(s) indicated below, except for the filling fee  The Director is authorized to: (check all that apply)  Charge fee(s) indicated below, except for the filling fee  The Director is authorized to: (check all that apply)  The Director is a		Code (\$) Co	e ree de (\$)	Fee Descrip	tion	Fee Pa		
Account Name he Director is authorized to: (check all that apply) Charge fee(s) indicated below	Number		(20)	rediant days at		N 1,13		
he Director is authorized to: (check all that apply) Charge fee(s) indicated below Credit any overpayments Charge any additional fee(s) or any underpayment of fee(s) Charge fee(s) indicated below except for the filling fee Charge fee(s) indicated below, except for the filling fee The above-identified deposit account.  FEE CALCULATION  BASIC FILING FEE arge Entity Small Entity Gee Fee Fee Fee Fee Paid  1252 430  1253 490  1254 1530  1255 150  1255 150  1256 150  1257 150  1258 150  1259 150  1259 150  1250 150  1250 150  1251 150  1252 150  1253 130  1253 130  1253 130  1253 130  1255 1840* Requesting publication of SIR after Examiner action  1251 110  1252 150  1253 150  1254 150  1255 1	Account	1052 50 20			nal filing fee or			
Charge fee(s) indicated below Credit any overpayments Charge any additional fee(s) or any underpayment of fee(s) Charge fee(s) indicated below, except for the filling fee of the above-identified deposit account.  FEE CALCULATION  BASIC FILING FEE arge Entity Small Entity es Fee Fee Fee Fee Fee Fee Fee Fee Fee F	Name	1 1 0 1 製品。		100 P. Carlotte and Carlotte an		T T,		
Charge fee(s) indicated below, except for the filing fee the above-identified deposit account.  FEE CALCULATION  BASIC FILING FEE rage Entity Small Entity filing fee of the filing fee of the above identified deposit account.  BASIC FILING FEE rage Entity Small Entity for the filing fee of the above identified deposit account.  BASIC FILING FEE rage Entity Small Entity for the filing fee of the above identified deposit account.  BASIC FILING FEE rage Entity Small Entity for the filing fee of the above identified deposit account.  BASIC FILING FEE rage Entity Small Entity for the filing fee of the above identified deposit account.  BASIC FILING FEE rage Entity Small Entity for the filing fee of the above identified deposit account.  BASIC FILING FEE rage Entity Small Entity for the filing fee of the above identified deposit account.  BASIC FILING FEE rage Entity Small Entity filing fee of the above identified deposit account.  1251 110 2251 55 Extension for reply within first month in the month of the above identified deposit account.  1252 430 2253 490 Extension for reply within firth month in the month of the above identified deposit account.  1253 980 2253 490 Extension for reply within firth month in the month of the above identified deposit account.  1254 1,530 2254 765 Extension for reply within firth month in the month of the above identified deposit account in the above identified deposit account.  1251 110 2251 170 Notice of Appeal in the above identified the above identified deposit account in		0.000 metal. 1 S184-1				- 1		
Charge fee(s) indicated below, except for the filling fee   1805 1,840*   1805 1,840*   Requesting publication of SIR after Examiner action   1805 1,840*   Requesting publication of SIR after Examiner action   1805 1,840*   Requesting publication of SIR after Examiner action   1805 1,840*   Requesting publication of SIR after Examiner action   1805 1,840*   Requesting publication of SIR after Examiner action   1805 1,840*   Requesting publication of SIR after Examiner action   1805 1,840*   Requesting publication of SIR after Examiner action   1805 1,840*   Requesting publication of SIR after Examiner action   1805 1,840*   Requesting publication of SIR after Examiner action   1805 1,840*   Requesting publication of SIR after Examiner action   1805 1,840*   Requesting publication of SIR after Examiner action   1805 1,840*   Requesting publication of SIR after Examiner action   1805 1,840*   Requesting publication of SIR after Examiner action   1805 1,840*   Requesting publication of SIR after Examiner action   1805 1,840*   Requesting publication of SIR after Examiner action   1805 1,840*   Requesting publication of SIR after Examiner action   1805 1,840*   Requesting publication of SIR after Examiner action   1805 1,840*   Requesting publication of SIR after Examiner action   1805 1,840*   Requesting publication of SIR after Examiner action   1805 1,840*   Requesting publication of SIR after Examiner action   1805 1,840*   Requesting publication of SIR after Examiner action   1805 1,840*   Requesting publication of SIR after Examiner action   1805 1,840*   Requesting publication of SIR after Examiner action   1805 1,840*   Requesting publication of reply within first month   1805 1,840*   1806 1,840*   180	Charge any additional fee(s) or any underpayment of fee(s)	1804 920* 18	304 920* Requ Exan	uesting publication on niner action	f SIR prior to			
The above-identified deposit account.  FEE CALCULATION  1251 110  1252 430  1252 215 Extension for reply within first month  1252 430  1253 980  1253 490 Extension for reply within first month  1254 1,530  1255 1,040 Extension for reply within fourth month  1255 2,080  1255 1,040 Extension for reply within firth month  1255 2,080  1255 1,040 Extension for reply within firth month  1255 2,080  1255 1,040 Extension for reply within firth month  1255 2,080  1255 1,040 Extension for reply within firth month  1255 2,080  1255 1,040 Extension for reply within firth month  1255 2,080  1255 1,040 Extension for reply within firth month  1255 2,080  1255 1,040 Extension for reply within firth month  1255 2,080  1255 1,040 Extension for reply within firth month  1255 2,080  1255 1,040 Extension for reply within firth month  1256 2,080  1257 1,040 Extension for reply within firth month  1258 2,080  1259 1,040 Extension for reply within firth month  1250 3,000 2,00	The state of the s	1805 1,840* 18	05 1.840* Req	uesting publication o	f SIR after			
BASIC FILING FEE arge Entity Small Entity Fee		1264 440 22	7 1 - 1 C	4.0	n first month	7 A.		
1253   980   2253   490   Extension for reply within third month   1254   1,530   2254   765   Extension for reply within firth month   1255   2,080   2,020   175   Design filing fee   1403   300   2403   150   Request for oral hearing   1451   1,510   Petition to revive - unavoidable   1452   110   2452   155   1,040   Extension for reply within firth month   1401   340   2401   170   Notice of Appeal   1402   340   2402   170   Filing a brief in support of an appeal   1403   300   2403   150   Request for oral hearing   1451   1,510   Petition to institute a public use proceeding   1451   1,510   Petition to revive - unavoidable   1451   1,510   Petition to revive - unavoidable   1451   1,510   1451   1,510   Petition to revive - unintentional   1451   1,510   1451   1,510   Petition to revive - unintentional   1451   1,510   1451   1,510   Petition to revive - unintentional   1451   1,510   1451   1,510   1451   1,510   Petition to revive - unintentional   1451   1,510   1451   1,510   1451   1,510   1451   1,510   Petition to revive - unintentional   1451   1,510   1451   1,510   1451   1,510   1451   1,510   1451   1,510   1451   1,510   Petition to revive - unintentional   1451   1,510   1451		- X	J 34 1		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	17.		
Fee   Description   1254   1,530   1255   1,040   Extension for reply, within fourth month   1264   1,530   1265   1,040   Extension for reply, within fifth month   1265   1,040   Extension for reply, within fifth month   1265   1,040   Extension for reply, within fifth month   1401   1,040	The state of the s	TOTAL STATE OF THE	T. CHIJOMEN C			870.		
1255 2.080   2001 395   Utility filing fee   1255 2.080   2201 395   Utility filing fee   1401 340   2401 170 Notice of Appeal   1402 340   2402 170 Filing a brief in support of an appeal   1403 300   2403 150 Request for oral hearing   1451 1.510	ee Fee Fee Fee Description Fee Paid	11.			1 200	11.54		
1401   340   2401   170   Notice of Appeal   340   2402   170   Filing a brief in support of an appeal   1403   340   2402   170   Filing a brief in support of an appeal   1403   340   2402   170   Filing a brief in support of an appeal   1403   340   2402   170   Filing a brief in support of an appeal   1403   340   2403   150   Request for oral hearing   1451   1,510   Petition to institute a public use proceeding   1452   110   2452   55   Petition to revive - unavoidable   1452   110   1451   1,510   1451   1,510   Petition to revive - unavoidable   1452   110   14		1255 2,080 22	255 1,040 Exte	ension for reply withi	n fifth month	,		
1402   340   2402   170 Filing a brief in support of an appeal   1403   300   2403   150 Request for oral hearing   1451   1,510   1451   1,510   1451   1,510   1451   1,510   1451   1,510   1451   1,510   1452   110   1452   110   1453   1,330		1401 340 2	401 170 Noti	ce of Appeal		340.		
1004 790   2004 395   Reissue filing fee   1403 300   2403 150 Request for oral hearing   1451 1,510 Petition to institute a public use proceeding   1451 1,510 Petition to revive - unavoidable   1452 110   2452 55 Petition to revive - unavoidable   1453 1,330   2453 665 Petition to revive - unintentional   1451 1,370   2501 685 Utility issue fee (or reissue)   1502 490   2502 245 Design issue fee   1503 660   1503 660   1503 330 Plant issue fee   1503 660   1503 660   1503 330 Plant issue fee   1460 130 Petitions to the Commissioner   1807 50 Processing fee under 37 CFR 1.17(q)   1808 180   1806 180 Submission of Information Disclosure Stmt   1502 490   1806 180 Submission of Information Disclosure Stmt   1503 660   1806 180 Submission of Information Disclosure Stmt   1503 660   1806 180 Submission of Information Disclosure Stmt   1503 660   1806 180 Submission of Information Disclosure Stmt   1503 660   1806 180 Submission of Information Disclosure Stmt   1503 660   1806 180 Submission of Information Disclosure Stmt   1503 660   1806 180 Submission of Information Disclosure Stmt   1503 660   1806 180 Submission of Information Disclosure Stmt   1503 660   1806 180 Submission of Information Disclosure Stmt   1503 660   1806 180 Submission of Information Disclosure Stmt   1503 660   1806 180 Submission of Information Disclosure Stmt   1503 660   1806 180 Submission of Information Disclosure Stmt   1503 660   1803 660		1402 340 2	402 170 Filin	g a brief in support o	of an appeal			
SUBTOTAL (1) (\$) 0.00 1452 110 2452 55 Petition to revive - unavoidable 2453 665 Petition to revive - unintentional 2501 1,370 2501 685 Utility issue fee (or reissue) 2502 245 Design issue fee 2502 245 Design issue fee 2503 330 Plant issue fee 3503 Plant issue fee 3503 Plant issue fee 3503 All issue fee 3503 Plant issue fee 3503 All issue fee 3503 Plant is		1403 300 2	403 150 Req	uest for oral hearing		11. 3		
SUBTOTAL (1) (\$) 0.00 1453 1,330 2453 665 Petition to revive - unintentional 2501 1,370 2501 685 Utility issue fee (or reissue) 2502 245 Design issue fee 2503 330 Plant is		1451 1,510 -14	151 1,510 Petil	ion to institute a pub	olic use proceeding	1 2 2 2		
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE Fee from Extra Claims Delow Fee Paid Total Claims Independent Claims Multiple Dependent  Large Entity   Small Entity Fee Fee Fee Fee Fee Fee Description Code (\$) Code	SUBTOTAL (1) (\$) 0.00	1452 110 2	452 55 Petit	ion to revive - unavo		i de la composition della comp		
Extra Claims below Fee Paid   1502 490   2502 245 Design issue fee   1503 660   2503 330 Plant issue fee   1503 660   2503 330 Plant issue fee   1503 660 660   1503		1453 1,330 24	153 665 Peti	tion to revive - unint	entional	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
Total Claims Independent Claims Multiple Dependent  Large Entity   Small Entity Fee Fee Code (\$)  1202 18   2202 9 Claims in excess of 20  1201 88   2201 44 Independent claims in excess of 3.  1203 300   2203 150 Multiple dependent claim, if not paid  1503 660   2503 330 Plant issue fee   1460 130 Petitions to the Commissioner   1807 50 Processing fee under 37 CFR 1.17(q)   1806 180 Submission of Information Disclosure Stmt   1802 1 40 Petitions to the Commissioner   1807 50 Processing fee under 37 CFR 1.17(q)   1806 180 Submission of Information Disclosure Stmt   1808 180 Property (times number of properties)   1809 790   2809 395 Filing a submission after final rejection   1809 790   2810 395 For each additional invention to be	Fee from	1501 1,570 25	T. C.		uc/	4 7		
Claims Multiple Dependent    1460   130   1460   130   Petitions to the Commissioner	H V	8 37 1	30 45		C.E.			
Multiple Dependent    Table	Independent 3**-	100	A. W. W.L.	143	sioner	Line Line		
Large Entity   Small	Claims	₩ ***						
Fee Fee Code (\$)  1202 18  1202 9 Claims in excess of 20  1201 88  1203 300  1203 300  Fee Fee Fee Code (\$)  Recording each patent assignment per 40 property (times number of properties)  1809 790  1809 790  2809 395 Filling a submission after final rejection  (37 CFR 1129(a))  1809 790 2810 395 For each additional invention to be	Large Entity   Small Entity	t tale	γ 50 - 1	1. Fu 7	far-			
1202 18 2202 9 Claims in excess of 20  1201 88 2201 44 Independent claims in excess of 3  1203 300 2203 150 Multiple dependent claim, if not paid 1810 790 2810 395 For each additional invention to be	Fee Fee Fee Fee Fee Description		Rec	ording each patent a	ssignment per	W.		
1201 88 2201 44 Independent claims in excess of 3 (37 CFR 1129(a)).  1203 300 2203 150 Multiple dependent claim, if not paid 1810 790 2810 395 For each additional invention to be			prop	erry (times number	or properties)	5 H**		
1203 300 2203 150 Multiple dependent claim, if not paid 1810 790 2810 395 For each additional invention to be		1809 790 2	2809 395 Filin (37	g a submission after CFR 1.129(a))	rinal rejection			
	60년 - 프랑크웨스 이	1810 790 2	2810 395 For	each additional inve	ntion to be	· 特數		
Waller	1204 88 2204 44 ** Reissue independent claims	4904 700			1 345 H			

SUBMITTED BY	and the	7.8	- 75° -	- Ve-		**		* 1	(Complete (i	if applicable))	
Name (Print/Type)	Ann-Lou	ise Kern	er, Ph.D		Aries 1	stration No. nev/Agent)	33,	523	Telephone	617-526-6192	4
Signature	my	Bells	cer	M	i de la companya de l	134		t des	Date	11/05/2004	4

1802 900 1802

Other fee (specify)

Reduced by Basic Filing Fee Paid

900 Request for expedited examination

SUBTOTAL (3)

1210.00

of a design application

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.